

Amendments to the Claims:

This listing of claims will replace all prior versions and listing of claims in the application.

Listing of Claims:

1. (Currently Amended) A digital signature verification apparatus inputting digital signature data including a partial data digitally signed, said partial data being a part of an entire data at least partly, comprising:

means for inputting said digital signature data;

means for detecting the range of said partial data based upon an identifier for identifying the range of said partial data included in said digital signature data; and

means for displaying content of said partial data and the detected range of said partial data on the same screen on a screen on which content of the entire data of said digital signature data is displayed, wherein the detected range of said partial data is displayed as a frame surrounding the content of said partial data.

2. (Previously Presented) The digital signature verification apparatus of Claim 1, further comprising means for analyzing said input digital signature data,

wherein said means for displaying displays information obtained as a result of the analyzing by said means for analyzing.

3. (Previously Presented) The digital signature verification apparatus of Claim 2,

wherein said information obtained as a result of the analyzing is connected with a user who has applied said digital signature.

4. (Previously Presented) The digital signature verification apparatus of Claim 2, wherein said means for displaying displays the content of said partial data and the information obtained as a result of the analyzing so as to be able to associate each with the other on the same screen.

5. (Previously Presented) The digital signature verification apparatus of Claim 4, wherein said means for displaying displays the information representing the content of said partial data distinctly from the information obtained as a result of the analyzing.

6. (Previously Presented) The digital signature verification apparatus of Claim 1, wherein said digital signature is described in XML and said means for detecting retrieves an identifier prescribed in XML and detects based upon said retrieved identifier.

7. (Currently Amended) A computer program enabled to be stored in a recording medium,

wherein said computer program causes a computer to execute:

means for inputting a digital signature data including a partial data digitally signed ~~at least partly~~, said partial data being a part of an entire data;

means for detecting the range of said partial data based upon an identifier for identifying the range of said partial data being included in said digital signature data; and

means for displaying content of said partial data and the detected range of said partial data ~~on the same a screen~~ on which content of the entire data of said digital signature data is displayed, wherein the detected range of said partial data is displayed as a frame surrounding the content of said partial data.

8. (Previously Presented) The computer program of Claim 7, further including causing a computer to analyze said input digital signature data,

wherein said means for displaying is a means for displaying information obtained as a result of the analyzing by said computer.

9. (Previously Presented) The computer program of Claim 8,

wherein said information obtained as a result of the analyzing is concerned with a user applying said digital signature.

10. (Previously Presented) The computer program of Claim 9,

wherein said means for displaying displays the content of said partial data and said information obtained as a result of the analyzing so as to be able to associate each with the other on the same screen.

11. (Previously Presented) The computer program of claim 10,

wherein said means for displaying displays the information representing the content of said partial data distinctly from the information obtained as a result of the analyzing.

12. (Previously Presented) The computer program of Claim 11,

wherein said digital signature is described in XML, and

said means for detecting retrieves an identifier prescribed in XML and detects based upon said retrieved identifier.

13-15. (Canceled)

16. (Currently Amended) The digital signature verification apparatus according to claim ~~15~~ 1,

wherein when said digital signature data includes a plurality of said partial data, said display means displays ~~the content of said plurality of partial data and the~~

detected ranges of said plurality of partial data ~~on the same screen~~ on said screen on which content of the entire data is displayed.

17. (Currently Amended) The digital signature verification apparatus according to claim ~~45~~ 1,

wherein when said digital signature data includes ~~a multi-signature~~ multiplexed digital signatures in which ~~another~~ at least one additional digital signature is applied to said partial data, said display means displays ~~the content of said plurality of partial data and the~~ detected ranges of said ~~a~~ plurality of partial data ~~on the same said screen on which content of the entire data is displayed~~, and the ranges of said partial data ~~is~~ are multiplexed and displayed on said screen according to a multiplex of digital signatures applied to ~~of~~ said partial data.

18. (New) A multiplexed digital signature verification apparatus comprising:

means for inputting a digital signature file including multiplexed digital signatures, wherein at least one additional digital signature is applied to data having a first digital signature applied thereto;

means for detecting each of said multiplexed digital signatures multiplexed from said digital signature file;

means for detecting an identifier of a digital signature object data corresponding to each of said multiplexed digital signatures, based on each of said multiplexed digital signatures;

means for verifying each of said multiplexed digital signatures and detecting information regarding a signer to each of said multiplexed digital signatures;

means for detecting the range of each of said digital signature object data, based on said identifier of each of digital signature object data;

means for determining a display frame corresponding to each of said digital signature object data, based on the range of each of said digital signature object data; and

means for displaying, on a screen on which an entire data of said digital signature file is displayed, the display frame corresponding to each of said digital signature object data, the information of a signer corresponding to said digital signature object data, and a verification result of each of said digital signature object data;

the display frame of one said digital signature object data surrounding a display frame of another digital signature object data, the signer information, and the verification result.

19. (New) A program product enabled to be stored in a storage medium for implementing by a computer a process for verifying a multiplexed digital signature comprising:

- a module for inputting a digital signature file including multiplexed digital signatures, wherein at least one additional digital signature is applied to data having a first digital signature applied thereto;

- a module for detecting each of said multiplexed digital signatures multiplexed from said digital signature file;

- a module for detecting an identifier of a digital signature object data corresponding to each of said multiplexed digital signatures, based on each of said multiplexed digital signatures;

- a module for verifying each of said multiplexed digital signatures and detecting information regarding a signer to each of said multiplexed digital signatures;

- a module for detecting the range of each of said digital signature object data, based on said identifier of each of digital signature object data;

- a module for determining a display frame corresponding to each of said digital signature object data, based on the range of each of said digital signature object data; and

- a module for displaying, on a screen on which an entire data of said digital signature file are displayed, the display frame corresponding to each of said digital signature object data, the information of a signer corresponding to said digital

signature object data, and a verification result of each of said digital signature object data;

the display frame of one said digital signature object data surrounding a display frame of another digital signature object data, the signer information, and the verification result.